
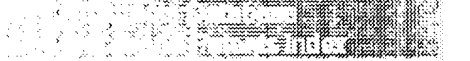


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USPT,JPAB,EPAB,DWPI	125 and vaccine\$	2	<u>L26</u>
USPT,JPAB,EPAB,DWPI	5872005.pn.	2	<u>L25</u>
USPT,JPAB,EPAB,DWPI	adeno-associated\$ near5 vaccine\$1	12	<u>L24</u>
USPT,JPAB,EPAB,DWPI	adeno\$ near5 vaccine\$1	259	<u>L23</u>
USPT,JPAB,EPAB,DWPI	121 and adeno\$	13	<u>L22</u>
USPT,JPAB,EPAB,DWPI	120 and vector\$	54	<u>L21</u>
USPT,JPAB,EPAB,DWPI	119 and vaccine\$1	77	<u>L20</u>
USPT,JPAB,EPAB,DWPI	papilloma\$ near10 "12"	111	<u>L19</u>
USPT,JPAB,EPAB,DWPI	117 same papilloma\$	27	<u>L18</u>
USPT,JPAB,EPAB,DWPI	fusion adj1 (peptide\$1 or polypeptide\$1)	2184	<u>L17</u>
USPT,JPAB,EPAB,DWPI	((adeno-associated adj3 vector) near20 vaccine\$)	11	<u>L16</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near10 vaccine\$	18	<u>L15</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near5 papilloma\$	59	<u>L14</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near10 papilloma\$	126	<u>L13</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near15 papilloma\$	133	<u>L12</u>
USPT,JPAB,EPAB,DWPI	adeno-associated same papilloma\$	165	<u>L11</u>
USPT,JPAB,EPAB,DWPI	adeno-associated and papilloma\$	401	<u>L10</u>
USPT,JPAB,EPAB,DWPI	aav and 11	0	<u>L9</u>
USPT,JPAB,EPAB,DWPI	11 and ("11" or "12")	95	<u>L8</u>
USPT,JPAB,EPAB,DWPI	16 and vaccine	22	<u>L7</u>
USPT,JPAB,EPAB,DWPI	15 and papilloma\$	35	<u>L6</u>
USPT,JPAB,EPAB,DWPI	gissmann-1\$.in.	39	<u>L5</u>
USPT,JPAB,EPAB,DWPI	gissman-1\$.in.	0	<u>L4</u>
USPT,JPAB,EPAB,DWPI	11 same orf	2	<u>L3</u>
USPT,JPAB,EPAB,DWPI	11 near10 orf	0	<u>L2</u>
USPT,JPAB,EPAB,DWPI	papilloma\$ near10 vaccine	160	<u>L1</u>

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS
AN 2000:359342 CAPLUS
DN 133:99254
TI Preclinical study on gene therapy of cervical carcinoma using
adeno-associated virus vectors
AU Kunke, David; Grimm, Dirk; Denger, Stefanie; Kreuzer, Jorg; Delius, Hajo;
Komitowski, Dymitr; **Kleinschmidt, Jurgen A.**
CS Deutsches Krebsforschungszentrum, Forschungsschwerpunkt Angewandte
Tumorstudiologie, Heidelberg, D-69120, Germany
SO Cancer Gene Ther. (2000), 7(5), 766-777
CODEN: CGTHEG; ISSN: 0929-1903
PB Nature America Inc.
DT Journal
LA English
RE.CNT 62
RE
(2) Alvarez-Salas, L; Proc Natl Acad Sci USA 1998, V95, P1189 CAPLUS
(3) Bottazzi, B; J Immunol 1992, V148, P1280 CAPLUS
(4) Chatterjee, S; Methods 1993, V5, P51 CAPLUS
(5) Chomczynski, P; Anal Biochem 1987, V162, P156 CAPLUS
(6) Conrad, C; Gene Ther 1996, V3, P658 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 7 MEDLINE

DUPLICATE 3

AN 83878357 MEDLINE

DN 83878357

TI Immune response to genital **papillomavirus** infections in women.
Prospects for the development of a **vaccine** against cervical
cancer.

AU Gissmann L; **Jochmus I**; Nindl I; Muller M

CS Forschungsschwerpunkt Angewandte Tumorstudiologie Deutsches
Krebsforschungszentrum, Heidelberg, Germany.

SO ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1993 Aug 12) 690 80-5. Ref:

Journal code: 5NM. ISSN: 0077-8923.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, TUTORIAL)

LA English

FS Priority Journals; Cancer Journals

EM 199312

100

- [illegible]

[illegible][illegible]

- [illegible]

78. Laboratory of Cellular Oncology, National Cancer Institute, Bethesda, Maryland 20892

80. JOURNAL OF Virology, (1998) 72(12), 2922-2930

Journal code: K0111111, 0022-538X

91. United States

92. Journal, Article, (JOURNAL ARTICLE)

93. English

94. Priority Journals, Cancer Journals

95. 199402

96. The L1 genes of two human ***papillomaviruses, type 16

97. (HPV16)

98. L1 gene derived from each human genome were used to express the L1

99. major capsid protein in insect cells, via a combination baculovirus-mammalian

100. L1 major capsid protein, self-assembled into virus-like particles (VLPs)

101. with high efficiency and could be purified in one-pot for immunization

102. on density gradients. The yield of VLP was 3 orders of magnitude higher than

103. what has been obtained previously, using L1 derived from the prototype

104. HPV16. DNA sequence comparison identified a single nonconserved amino acid

105. change to be responsible for the inefficient self-assembly of the prototype L1. VLP were also obtained by expressing L1 of HPV6

106. HPV11, and

107. cottontail rabbit ***papillomavirus***, indicating that L1 from a variety of ***papillomaviruses*** has the intrinsic capacity to self-assemble into VLP. Coexpression of HPV16 L1 plus L1.2 by using a

108. baculovirus double-expression ***vector*** also resulted in efficient

109. self-assembly of VLP, and the average particle yield increased about

110. fourfold in comparison to when L1 only was expressed

111. Coimmunoprecipitation of L1 and L2, and cosedimentation of the two proteins

112. in a sucrose gradient demonstrated that L2 was incorporated into the

113. particles. The ability to generate preparative amounts of HPV16 L1 and

114. L1+L2 VLP may have implications for the development of a serological assay

115. to detect anti-HPV16 virus-immune responses to conformational epitopes

116. and for immunoprophylaxis against HPV16 infection

123. ANSWER 11 OF 12. EMBASE. COPYRIGHT 2001

ELSEVIER SCIENCE BV DUPLICATE 4

AN. 82102914 EMBASE

IN. 198702914

11. L1 is the other coding and structural nucleic sequence of human ***papillomavirus*** type 16 DNA

AL. Chad A. ***Gissmann L. *** Meier B. et al

00% Inst Virol., Zent Hg Univ Freiburg, 7800 Freiburg - Germany
50) Virology (1982) 118:142-149

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CY United States
101 Journal
4-5 647 Virology
016 Cancer
029 Clinical Biochemistry
022 Human Genetics
LA English
At ***papillomavirus*** genome of human papilloma virus type 6
106 They
belong in the papovavirus group and induce epithelial proliferation
in 4
variety of animal species found in man. To date, eight types of
papillomaviruses have been identified in different human
papillomas, some of which show an increased tendency
for malignant
conversion. Due to the inability to propagate
papillomaviruses
in tissue culture, almost nothing is known about their genetics,
organization and gene expression. The lack of recombinant DNA
techniques
now renders it possible to study in detail the molecular biology of
papillomaviruses. Here we report the molecular cloning
of human ***papillomavirus*** type 1a (HPV1a) in Escherichia
coli
using pBR 322 as ***vector*** and the nucleotide sequence of
the HPV1a genome. The region of 187 base pairs containing one of
two pairs
of short inverted repetitive sequences detected earlier by electron
microscopic studies. Within the DNA sequence, three potential
coding
regions of only one orientation have been observed which allows
prediction
of the direction of transcription in this part of the HPV1a genome.

125 ANSWER LINE 125 HEADLINE 10.Feb. APL
5
APR 8210130 MEDICAL
DN 8210130
TI Molecular cloning of viral DNA from human genital warts.
AU de Villiers E.M. ***Graham I*** zur Hausen H
50 JOURNAL OF VIROLOGY 1981 DEC; 40(3): 822-5
Journal Code JVN ENL 0022-536X
CY United States
DI Journal Article [JOURNAL ARTICLE]
LA English
ES Protiv Journals
EN 198205
AB The DNA of human ***papilloma*** virus type 6 (HPV 6)
has been cloned
in Escherichia coli K-12 by using pBR322 as ***vector***. The DNA was
cloned at the BamHI and EcoRI cleavage sites. This DNA was

[illegible]

s-24 or 125
 126 894 124 OR 125
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 EXP: 125 OR 124 AND 126 OR 125
 127 894 126 AND 125 OR 124 OR 125
 s-127 and popdown: ab ba
 EXP: 126 OR 124 AND 127 OR 125
 128 894 127 AND 126 OR 125 OR 124
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 129 894 128 AND 127 OR 125 OR 126
 s-129 and popdown: ab ba
 EXP: 128 OR 126 AND 129 OR 125
 130 894 129 AND 128 OR 125 OR 127
 s-130 and popdown: ab ba
 EXP: 129 OR 127 AND 130 OR 125
 131 894 130 AND 129 OR 125 OR 128
 s-131 and popdown: ab ba
 EXP: 130 OR 128 AND 131 OR 125
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 s-139 and popdown: ab ba
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 s-140 and popdown: ab ba
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 s-141 and popdown: ab ba
 EXP: 140 OR 138 AND 141 OR 125
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 s-143 and popdown: ab ba
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 s-144 and popdown: ab ba
 EXP: 143 OR 141 AND 144 OR 125
 145 894 144 AND 143 OR 125 OR 142
 s-145 and popdown: ab ba
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 s-146 and popdown: ab ba
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 147 894 146 AND 145 OR 125 OR 144
 s-147 and popdown: ab ba
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 s-148 and popdown: ab ba
 EXP: 147 OR 145 AND 148 OR 125
 149 894 148 AND 147 OR 125 OR 146
 s-149 and popdown: ab ba
 EXP: 148 OR 146 AND 149 OR 125
 150 894 149 AND 148 OR 125 OR 147
 s-150 and popdown: ab ba
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 s-151 and popdown: ab ba
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 s-152 and popdown: ab ba
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 s-153 and popdown: ab ba
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 s-154 and popdown: ab ba
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 s-155 and popdown: ab ba
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 156 894 155 AND 154 OR 125 OR 153
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 s-159 and popdown: ab ba
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 s-160 and popdown: ab ba
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 s-161 and popdown: ab ba
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 s-162 and popdown: ab ba
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 164 894 163 AND 162 OR 125 OR 161
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 EXP: 175 OR 173 AND 176 OR 125
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 s-177 and popdown: ab ba
 EXP: 176 OR 174 AND 177 OR 125
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 s-178 and popdown: ab ba
 EXP: 177 OR 175 AND 178 OR 125
 179 894 178 AND 177 OR 125 OR 176
 s-179 and popdown: ab ba
 EXP: 178 OR 176 AND 179 OR 125
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 s-180 and popdown: ab ba
 EXP: 179 OR 177 AND 180 OR 125
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 EXP: 180 OR 178 AND 181 OR 125
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 s-182 and popdown: ab ba
 EXP: 181 OR 179 AND 182 OR 125
 183 894 182 AND 181 OR 125 OR 180
 s-183 and popdown: ab ba

[illegible]

- [illegible]

